

INVENTION DISCLOSURE

SEMITOOL, INC.

D98-0054

IN CASE OF MULTIPLE INVENTORS: GET PAGE 2 OF THIS DISCLOSURE;
EACH INVENTOR MUST FILL OUT INVENTOR INFORMATION.

- Note:
1. Use Ink or Type Only
 2. Do not erase errors. Line through any errors, initial and date.
 3. Describe invention with drawings, sketches, etc. and a written explanation. Drawings may be below or attached. If attached, the inventor(s) and witnesses must sign and date each sheet.
 4. Describe the advantages of this invention compared to the current approach, if any.
 5. Inventor(s) and two (2) witnesses must sign and date each sheet.
 6. Send original signed documents to the Intellectual Property Department. Retain a personal copy.

Inventor's Full Name (include middle initial, jr., sr., I, II, etc.)

Steven L. Peace

Check Box if there is more than one inventor (use page two of disclosure for additional inventors)

Inventor's Physical Home Address:

745 Hidden Valley Drive
Whitefish, MT 59937

Inventor's Citizenship: USA

Title of Invention:

Single Sided Etch

Tool or Process:

HF Etch of Oxide, Single Water, Also copper etch
w/ HNO₃

Sketch, Explanation and Advantages:

see attached sketch

EXHIBIT

A

Signature(s) of Inventor(s):

Date:

Date of Conception:

Date of First Sketch/Drawing:

Steven L. Peace

Witnessed and Understood By:

Date:

Date of Written Description:

Working Model Prepared?

① Tony [Signature]

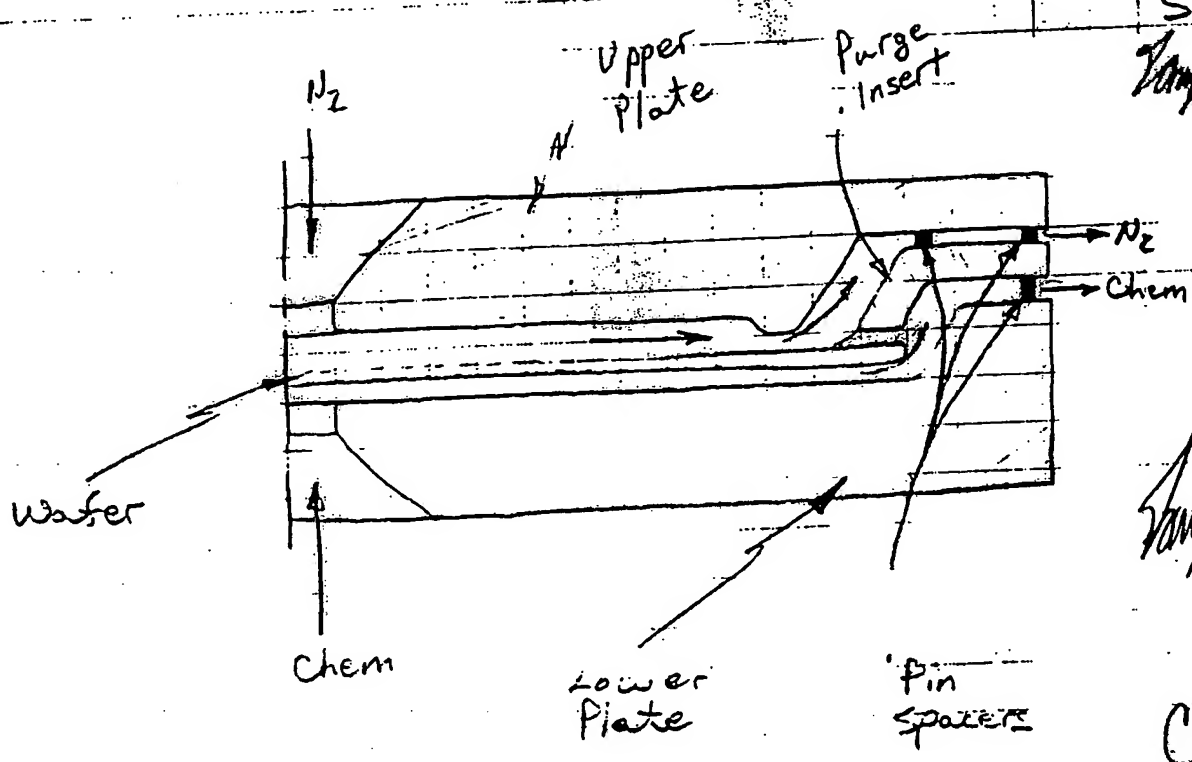
② [Signature]

Yes / No

Date:

150

S. Peace
[Signature]

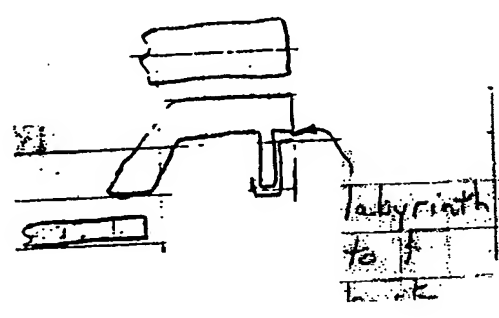
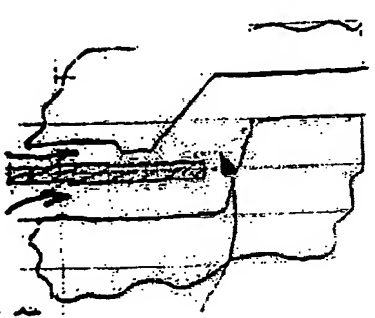


[Signature]

Cory G...

Purge Insert attached to upper plate
 & spaced to form gap

- Lower plate spaced from upper plate
 Gap needs to be small enough
 to back chem up over top
 of wafer
- N_2 delivered on top to remove
 vapors
- Chemistry may wick between purge
 insert & wafer hard to
 evacuate?



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Brian Aegerter, et al.

Application No.: 10/647,914

Conf. No.: 2441

Filed On: August 26, 2003

For: SELECTIVE TREATMENT OF MICROELECTRONIC
WORKPIECE SURFACES

Art Unit: 1746

Examiner: Michail Kornakov

Docket No.: 114183-20 (P00-0024US3)

REPLACEMENT DECLARATION
AND POWER OF ATTORNEY

As one of the below-named inventors, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe that I am one of the original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled "SELECTIVE TREATMENT OF MICROELECTRONIC WORKPIECE SURFACES", the specification of which was originally filed on September 28, 2000 as United States Application No. 09/672,572 and a continuation of that application filed on August 26, 2003 as United States Application No. 10/647,914.

Application No. 10/647,914
Replacement Declaration And Power Of Attorney
September 11, 2006

The attorneys of record listed below are hereby authorized and requested by the undersigned to insert in this Declaration the filing date and Application Number thereof in the places provided therefore.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(A) of any PCT international application which designated at least one country other than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the Application on which priority is claimed: NONE

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

| <u>Application Number</u> | <u>Filing Date</u> |
|---------------------------|--------------------|
| 60/117,474 | January 27, 1999 |
| 60/116,750 | January 23, 1999 |

I hereby claim the benefit under 35 U.S.C. § 120 of any United States Application(s), or § 365(c) of any PCT International Application designating the United States, listed below and, insofar as the subject matter of each of the claims

Application No. 10/647,914
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September 11, 2006

of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, we acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

| <u>Application Number</u> | <u>Filing Date</u> | <u>Status</u> |
|---------------------------|--------------------|---------------|
| 09/437,926 | November 10, 1999 | copending |
| 09/437,711 | November 10, 1999 | copending |
| PCT/US99/05674 | March 15, 1999 | copending |
| PCT/US99/05676 | March 15, 1999 | copending |
| 09/041,649 | March 13, 1998 | |
| 09/113,435 | July 10, 1998 | |
| 09/041,901 | March 13, 1998 | |

Attached hereto as Exhibit A is a copy of the declaration that was executed on March 19, 2001 in United States Application No. 09/672,572 filed on September 28, 2000.

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:


Application No. 10/647,914
Replacement Declaration And Power Of Attorney
September 11, 2006

| | |
|--------------------|--------|
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| Keith V. Rockey | 24,713 |
| Kathleen A. Lyons | 31,852 |
| Robert J. Depke | 37,607 |
| Paige A. Kitzinger | 45,219 |
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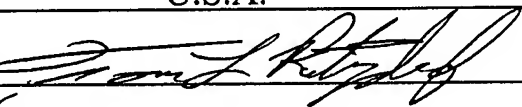
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I hereby declare all statements made herein of my own knowledge are true and all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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Date: 24 OCT 06

Application No. 10/647,914
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September 11, 2006

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Application No. 10/647,914
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Date: _____

Application No. 10/647,114
Replacement Declaration And Power Of Attorney
September 11, 2006

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Inventor's Signature: *Steven L. Peace*
Date: 9/29/06